

| L Number | Hits   | Search Text   | DB                   | Time stamp          |
|----------|--------|---|----------------------|---------------------|
| -        | 10616  | (rhenium or re) same ((group adj viii) or cobalt or co or nickel or ni) same (phosphorus or p or boron or b or silicon or si)   | USPAT;<br>US-PGPUB   | 2004/07/16<br>09:00 |
| -        | 17915  | catalyst same (matrix or support) same alumina  | USPAT;<br>US-PGPUB   | 2004/07/16<br>10:17 |
| -        | 779    | ((rhenium or re) same ((group adj viii) or cobalt or co or nickel or ni) same (phosphorus or p or boron or b or silicon or si)) and (catalyst same (matrix or support) same alumina)  | USPAT;<br>US-PGPUB   | 2004/07/16<br>09:00 |
| -        | 56539  | (matrix or support) same (phosphorus or silicon or boron)   | USPAT;<br>US-PGPUB   | 2004/07/16<br>09:01 |
| -        | 322    | ((rhenium or re) same ((group adj viii) or cobalt or co or nickel or ni) same (phosphorus or p or boron or b or silicon or si)) and (catalyst same (matrix or support) same alumina)) and ((matrix or support) same (phosphorus or silicon or boron))   | USPAT;<br>US-PGPUB   | 2004/07/16<br>09:01 |
| -        | 174568 | molybdenum or tungsten  | USPAT;<br>US-PGPUB   | 2004/07/16<br>09:02 |
| -        | 247    | ((((rhenium or re) same ((group adj viii) or cobalt or co or nickel or ni) same (phosphorus or p or boron or b or silicon or si)) and (catalyst same (matrix or support) same alumina)) and ((matrix or support) same (phosphorus or silicon or boron))) and (molybdenum or tungsten)   | USPAT;<br>US-PGPUB   | 2004/07/16<br>09:35 |
| -        | 43     | ("3151115"   "3270059"   "3383417"   "3520933"   "3654370"   "4014933"   "4111840"   "4123462"   "4152353"   "4206149"   "4400539"   "4404405"   "4588840"   "4634502"   "4647701"   "4701434"   "4772750"   "4775696"   "4855275"   "4855505"   "4886772"   "4967005"   "4973692"   "4973761"   "4975399"   "4977266"   "4992590"   "5003107"   "5068329"   "5068330"   "5068444"   "5103062"   "5112364"   "5169971"   "5196588"   "5202490"   "5202491"   "5292983"   "5321160"   "5331101"   "5362913"   "5424387"   "5516342").PN. | USPAT                | 2004/07/16<br>09:27 |
| -        | 1      | ("3972829").PN.   | USPAT;<br>US-PGPUB   | 2004/07/16<br>10:05 |
| -        | 43     | catalyst same alumina same rhenium same (cobalt or nickel) same (molybdenum or tungsten) same (phosphorus or boron or silicon)  | USPAT;<br>US-PGPUB   | 2004/07/16<br>10:26 |
| -        | 1      | catalyst same alumina same rhenium same (cobalt or nickel) same (molybdenum or tungsten) same (phosphorus or boron or silicon)  | EPO; JPO;<br>DERWENT | 2004/07/16<br>10:27 |
| -        | 43     | catalyst same alumina same rhenium same (cobalt or nickel) same (molybdenum or tungsten) same (phosphorus or boron or silicon)  | USOCR                | 2004/07/16<br>11:14 |
| -        | 1      | ("4693991").PN.   | USPAT;<br>US-PGPUB   | 2004/07/16<br>11:15 |
| -        | 19     | ("3915894"   "3969222"   "3975259"   "4263132"   "4283270"   "4287050"   "4313820"   "4324647"   "4333855"   "4371458"   "4371507"   "4371728"   "4372842"   "4376698"   "4376699"   "4389304"   "4394301"   "4522709"   "4541915").PN.   | USPAT                | 2004/07/16<br>11:15 |
| -        | 4      | 4693991.URPN.   | USPAT                | 2004/07/16<br>11:16 |

|   |       |   |                    |                     |
|---|-------|---|--------------------|---------------------|
| - | 2     | 5677259.URPN.   | USPAT              | 2004/07/16<br>11:19 |
| - | 13    | ("3758512"   "3915848"   "3933623"  <br>"4035353"   "4071437"   "4303625"  <br>"4395327"   "4454026"   "4655906"  <br>"4693991"   "4837193"   "4908344"  <br>"5011593").PN.   | USPAT              | 2004/07/16<br>11:19 |
| - | 5774  | hydrotreating or hydrotreatment   | USPAT;<br>US-PGPUB | 2004/07/19<br>08:13 |
| - | 7099  | support same (deposit\$3 or impregnat\$3)<br>same (boron or phosphorus or silicon)  | USPAT;<br>US-PGPUB | 2004/07/19<br>08:55 |
| - | 289   | (hydrotreating or hydrotreatment) and<br>(support same (deposit\$3 or impregnat\$3)<br>same (boron or phosphorus or silicon))   | USPAT;<br>US-PGPUB | 2004/07/19<br>08:17 |
| - | 39082 | viii same (vi or vib)   | USPAT;<br>US-PGPUB | 2004/07/19<br>08:17 |
| - | 243   | ((hydrotreating or hydrotreatment) and<br>(support same (deposit\$3 or impregnat\$3)<br>same (boron or phosphorus or silicon)))<br>and (viii same (vi or vib))  | USPAT;<br>US-PGPUB | 2004/07/19<br>08:18 |
| - | 14166 | rhenium   | USPAT;<br>US-PGPUB | 2004/07/19<br>08:18 |
| - | 57    | ((hydrotreating or hydrotreatment) and<br>(support same (deposit\$3 or impregnat\$3)<br>same (boron or phosphorus or silicon)))<br>and (viii same (vi or vib))) and rhenium   | USPAT;<br>US-PGPUB | 2004/07/19<br>08:29 |
| - | 186   | ((hydrotreating or hydrotreatment) and<br>(support same (deposit\$3 or impregnat\$3)<br>same (boron or phosphorus or silicon)))<br>and (viii same (vi or vib))) not<br>(((hydrotreating or hydrotreatment) and<br>(support same (deposit\$3 or impregnat\$3)<br>same (boron or phosphorus or silicon)))<br>and (viii same (vi or vib))) and<br>rhenium) | USPAT;<br>US-PGPUB | 2004/07/19<br>08:29 |
| - | 13    | ("3453219"   "3637525"   "3666685"  <br>"4018709"   "4434047"   "4724226"  <br>"5085763"   "5214017"   "5364825"  <br>"5389592"   "5556824"   "5609750"  <br>"5808143").PN.   | USPAT              | 2004/07/19<br>08:40 |
| - | 936   | support same (deposit\$3 or impregnat\$3)<br>same boron   | USPAT;<br>US-PGPUB | 2004/07/19<br>09:00 |
| - | 82    | (hydrotreating or hydrotreatment) and<br>(viii same (vi or vib)) and (support same<br>(deposit\$3 or impregnat\$3) same boron)  | USPAT;<br>US-PGPUB | 2004/07/19<br>08:56 |
| - | 6145  | support same (deposit\$3 or impregnat\$3)<br>same silicon   | USPAT;<br>US-PGPUB | 2004/07/19<br>09:00 |
| - | 3399  | support same ((deposit\$3 or impregnat\$3)<br>with silicon)   | USPAT;<br>US-PGPUB | 2004/07/19<br>09:01 |
| - | 36    | (hydrotreating or hydrotreatment) and<br>(viii same (vi or vib)) and (support same<br>((deposit\$3 or impregnat\$3) with<br>silicon))   | USPAT;<br>US-PGPUB | 2004/07/19<br>09:01 |